

AMENDMENTS TO THE CLAIMS:

- 1-43. (Canceled).
44. (Previously presented) A method of coating an implantable medical device, comprising:
- adding a copolymer of ethylene with carboxylic acid to a solvent system to form a composition;
 - applying the composition to an implantable medical device; and
 - allowing the solvent system to evaporate.
45. (Previously presented) The method of claim 44, wherein the carboxylic acid is selected from a group consisting of acrylic acid, methacrylic acid, maleic acid, itocanic acid, and esters thereof.
46. (Previously presented) The method of claim 44, wherein adding the copolymer to the solvent system further comprises neutralizing the copolymer in a volatile or a non-volatile base and dispersing the copolymer in water and/or a co-solvent.
47. (Previously presented) The method of claim 44, further comprising adding a therapeutic agent to the solvent system.
48. (Previously presented) The method of claim 44, wherein the solvent system comprises toluene.
49. (Previously presented) The method of claim 48, wherein the solvent system further comprises a chlorinated solvent and a lower alcohol.

50. (Previously presented) The method of claim 44, wherein the carboxylic acid comonomer content is no less than 5% by weight.
51. (Previously presented) The method of claim 50, wherein the carboxylic acid comonomer content is no more than 50% by weight.
52. (Previously presented) The method of claim 44, wherein the carboxylic acid comonomer content is no more than 50% by weight.
53. (Previously presented) The method of claim 44, wherein the co-polymer is ethylene acrylic acid.
54. (Previously presented) The method of claim 44, wherein the device comprises a stent.
55. (Canceled)